	Receiving Report								
		ate: $\frac{14/61/3}{1}$	<u>L</u> BOD.C	Batch Dart	P/0:	28118	N/A		
	Packing Slip: Invoice: Receipt:	Yes No Yes No Cash Cr	SI Q	elease Note A /aybill Attache hipment Com C18 Inspection /ork Order	ed: Ye olete: Ye on	No No			
Г	Discrepancies Part		Quantity	Quantity	Quantity	Quantity	Comments		
	Number	Description	Ordered	Received	Returned	Short			
	B-0	n6061/500 h	58 12	U	0	12			
	M60612	w./25	24	U	1	29			
	M6061	elv 125	128	12	0	108			
.1	7716667	5/8 =	Initials	of receiver	(if shipment	OK) QC12	-		
	341	00. W 075	DV	0	0	20			
	Production/Ad Date Received/Cos Initial	19/01/3/2	<i>*</i>			Locati	on		

H:\FORMS\Purchasing\approved purch\RECREPORT Rev E

Purchase Order Receipt Listing

Friday, January 31, 2014 12:59:48 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO22783 Receipt Dates from 1/31/2014 to 1/31/2014 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Book Amt	\$61.80		\$402.00		\$55.60	\$51.00	\$123.00	132.0000 0.0000 0.0000 \$693.40 108.0000
MRB Qty/ MRB Reject Qty	0	0	0	0	0 0	0 0	0	antity: U/M): antity: Value: antity:
Inspected Qty/ Rejected Qty N (PO U/M)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Total Received Quantity: Total Qty to Inspect (PO U/M): Total Reject Quantity: Total Receipt Value: Total Balance Due Quantity:
Cost Per Unit/ Recv Value	\$5.15	\$61.80	\$6.70	\$402.00	\$2.78	\$2.55 \$51.00	\$6.15	Total (
Recv C Qty (PO U/M)	12.0000		(000000)	4	20.0000	20.0000	20.0000	
Required Date Recv Required Qty Date/ Recv Emp	1/31/2014 1/31/2014	120,0000 DESJ02	1/31/2014 1/31/2014	60.0000) DESJ02	1/31/2014 1/31/2014 20.0000 DESJ02	1/31/2014 1/31/2014 (20.0000) DESJ02	1/31/2014 1/31/2014 20.0000 DESJ02	
Project ID Reference/ PO U/M / Description/ Stock U/M Cert Std	VU-TWM001 TW Metals M6061T6T0.625W.1 f	6061-T6 RD Tube f 0.625 X.125W	M6061T6T1.500W.1 f	1T6 RD TUBE f	M304TR0.875W.065 f 304 round tube .875 f x.065w	M304TR1.000W.049 f 304 RD Tube 1.00 x f .049W	M304TR1.250W.125 f 304 RD Tube 1.250 x f 125w (m128118)	
Purchase Line P Order ID/ Nbr/ Curr Type Insp Req	VendorIDHYendor Name PO22783	USD No	4	°N	o Z	7 No	∞ ^O Z	





PACKING SLIP

ORDER NO.: 60531960

FROM: CRAN

PAGE 1

CUST NUMBER: 1203820 NET WGT:

CN K6A 1K7

91.021 REQ.DATE: 01/31/14 CONFIRMED

SHIP TO:

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

CANADA

TERMS: F.O.B.:

SOLD TO:

SALESPERSON: DONNA SMALLEY

CUST ORD NO.: PO22783

NET 30 DAYS SHIPPING POINT NET 30 DAYS

SHIP BY: VIA: FREIGHT:

01/27/14

COMMON CARRIER

PREPAID

RELEASE NO.:

RECEIVING PHONE:

WIDTH

LENGTH

0001 42588 D6061-T6 5/8 OD X .125 WA QTY: (12.000 FT) WT: 2.771 PC: 1 SHP: 12.000 FT

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKESBURY ON

** 1 TEST REPORTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00 PO:49285271 HT:28705495 PC: 1 SLB/CL:200475 MLT:UNITED STATES MFG:UNITED STATES

0002 44129 D6061-T6 1-1/2 OD X .125 WA QTY: 60.000 FT WT: 38.095 PC: 5 SHP: 60.000 FT

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED ** ECCN: EAR99 Export License: NLR

Expiration Date: 0/00/00

PO:49291764 (HT:1401654) PC: 5 SLB/CL:49139/100

MLT:GERMANY MFG:GERMANY

0003 36969 SMLS CD 304/L A269 7/8 X .065 WA 17/24 FT
QTY: 20.000 FT WT: 11.244 PC: 1 SHP: 20.000 FT

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

MLT: CHINA

MFG: CHINA

0004 37056 SMLS CD 304/L A269 1 OD X .049 WA

QTY: 20.000 FT WT: 9.953 PC: 1 SHP:

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.



PACKING SLIP

ORDER NO.: 60531960

FROM: CRAN

PAGE 2

CUST NUMBER: 1203820 NET WGT:

91.021 REQ.DATE: 01/31/14 CONFIRMED

CN K6A 1K7

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKESBURY ON

CANADA

CN K6A 1K7

SHIP TO:

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

01/27/14

PREPAID

TERMS: F.O.B.:

SALESPERSON: DONNA SMALLEY NET 30 DAYS SHIPPING POINT

SHIP BY: VIA: FREIGHT:

COMMON CARRIER

CUST ORD NO.: PO22783

RELEASE NO.:

RECEIVING PHONE:

WIDTH LENGTH

LINE ITEM DESCRIPTION

** 1 TEST REPORTS REQUIRED ** ** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00

PO:49296039 HT:YX1210680 PC: 1 SLB/CL:8-32

MLT: CHINA MFG: CHINA

0005 37241 SMLS CD 304/L A269 1-1/4 X .120WA QTY: 20.000 FT WT: 28.958 PC: 1 SHP: 20.000 FT

17/24 FT

** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00 ** 1 TEST REPORTS REQUIRED **

PO:49291923 HT:YT24603 PC: 1 SLB/CL:2013-03-007-A

MLT: CHINA

MFG: CHINA

----- PACK INFO -----

PKGS GRS WEIGHT WIDTH LENGTH HGHT 1.000 117.000 12.5000 AREA TYPE OF PKG 1.000 117.000

REDDICRATE

CARTON

1.000

20.5000

В

2.000 117,000

BY: TW

RT 000-

UNLOAD TYPE! NONE SPECIFIED

DATE SHIPPED

DATE FILLED

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.

THANK YOU FOR THIS ORDER





PACKING SLIP

ORDER NO.: 60531960

FROM: CRAN

PAGE 3

CUST NUMBER: 1203820 NET WGT:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKESBURY ON

SALESPERSON:

CUST ORD NO.:

CANADA

TERMS:

F.O.B.:

VIA:

CN K6A 1K7

DONNA SMALLEY

NET 30 DAYS

SHIPPING POINT

PO22783

COMMON CARRIER

PREPAID

FREIGHT: RELEASE NO.:

RECEIVING PHONE:

91.021 REQ.DATE: 01/31/14 CONFIRMED

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

SHIP BY:

01/27/14

27 ENGLEHARD DRIVE

MONROE TWP

NJ 08831

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material" Le

Authorized Test Report Clerk

Date:

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.



PRECISION TUBE CO.

287 WISSAHICKON AVE. NORTH WALES PA 19454 Control No: 162188

CERTIFIED TEST REPORT

	PURCHASE ORDER	NO. CUST.	ORD. NO.	PRECISION	N TUBE P/N					
4928	5271 LINE 001	2	00475	24A0625	01250001					
SOLI TO			SHIP	TW METALS - (27 ENGLEHARD MONROE TWP, 1 UNITED STATES	DRIVE NJ 08831					
QUANTITY (ORD. DESCRI	PTION		QTY. SHIPPED	DATE SHIPPED					
1308 FT METAL - 6061 ALUM TEMPER - T6 SPEC - AMS 4082P WW-T-700/6F AM 2 (ASTM-B=210-12) AMS-WW-T-700/6B LENGTH 12 FT LGTH TOL + 1250 IN0000 IN SHAPE - (ROUND) FINISH - STRAIGHT EXACT LENGTHS OD (6250) +.00400040 ID WALL (1250) +.00600060 MECHANICAL PROPERTIES										
		MECHANICAL	PROPERTIES							
SAMPLE #	TENSILE STRENGTH (P.S.I.)	YIELD STRENGTH (P.S.I.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)					
1	45,559	40,664	24							
				11	TW METALS					
		DESTRUCT	IVE TESTS	E	JAN 2 1 2013					
Comments: FAR	R BAA COMPLIES,	DFARS BAA COMP	LIES, FAR TAA	COMPLIES A	CCEPTABLE BY					
			OMPOSITION							
	ALLOY: 6061 HEAT: TRACEABILITY #: 28705495 RAW MATL VENDOR: PT23938 - Kaiser Aluminum Si Fe Cu Mn Mg Cr Zn Ti Al									
	0.1	5 0.80	0.04	Rem.						
	0.80 0.70 0.4									
	ne material has been manufa	: 0.05 MAX EACH	/ U.15 MAX	TOTAL						

We hereby certify that the material has been manufactured and tested in accordance with the requirements of the applicable specifications and descriptions set forth on Precision Tube's sales acknowledgement. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundry containment. Test results indicate that the material is compliant with the current revision of the RoHS Directive (2002/95/EU).

Melted and Manufactured in USA QMS Registered to ISO 9001: 2008 By: Art Onaitis

01/18/13

Art Onaitis QA Manager

M6061T6T0625W	.195
DESJOD	
14-02-3	ASTRUCTIONS FOR INSPECTING BAR,
22783	MATERIAL CERT RECEIVED Yes.
120 FT.	QUANTITY RECEIVED: 13 FT.
0.625 x 0.125W	THICKNESS RECEIVED: 0.625x 0.116
12 ft. long	SHEET SIZE RECEIVED: 12 FT 10ng
	DESJOD 14-07-3 22783 120 FT. 0.625 x 0.125W

1900	STATE OF THE	
(Ch	eck	COMMENTS
Υ	X	
Υ	X	SECTIONS INTROPERNITOR BY CALULATER
Υ	X	
Υ	X	1 - VEREY TO DART SUPPLIED BRAIGNG
Υ	X	2 - BAMPLE IN THEOT MATERIAL IN BUNDLE TO ENSURE MATERIAL
Υ	X	3 - HEMO PORTABLE HARBNESS DESTER VERBY HARDNESS OF TH
Υ	X	4- VESTEY THAT MATERIAL CERTS MATCH TO WHATS CAULSOUPLY
×	N	经分割总数据的 海岛主总教员 计科特证 科特 开启工作者
X	N	ASTM BO10/12 Heat #: 28705495
X	N	M60617670.625W6125
×	N	m128118
~	X	
T	M	
Υ	X	
	(Ch Y/ Y Y Y Y Y X X	Y X Y Y X Y X X X X X X X X X X X X X X

CUT SAMPLE	PIECE OF MATERIA RECORD			HARDNESS C	HECK.	3V - 1
TYPE OF MATERI		HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAM	IPLE	denema Lord	5i ua-	Miles Develope Black	an sometime	14/02/0
HARDNESS / DUROMETE	R READING	0.71643	061KB.	THE COLLEGE OF THE	SERVICE TREE CHARLES	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: Tm	BY: N/
DATE: 14-09-3	DATE: /A

Abnahmeprüfzeugnis 3.1 - DIN EN 10204:2005



Inspection Certificate 3.1 - DIN EN 10204:2005 | Certificat de Reception 3.1- DIN EN 10204:2005

Kunde:

TW Metals

Zeugnisnummer:

722/13

Client:

175 Tubeway Drive

Cert No .: Y No. du certificat: Bestellnummer:

M 49291764 (P.)

Produkt:

GA 30298 30297 Forest Park (USA

Order No. / No. de commande

T 5

Rohre nahtlos gepresst und gezogen

ALUnna Auftragsbest.-Nr.: 49139/100

Product / Produit:

Tubes seamless extruded and drawn

Spezifikation:

AMS - WW - T - 700/6B; AMS 4082P (ASTM B 210-12;

ALUnna Conf.-No.:/ conf. de commande:

Specification:

Alloy/Alliage:

Werkstoff:

6061 1,500 inch

44129

x 0,125 inch x 1,250 inch

Zustand: Temper/Etat 12,000 feet

Jan 14-02-3

Abmessung Size / Dimension

ALUnna-Cert No.722/13-6061-T6-Cast No. 9132-1-WW-T-700/6F-AMS-WW-T-700/6B-AMS 4082 F-ASTM B210-12- 1.500" OD X 0.125" Wall-Heat Lot No. 1401654 ALUnna Order Conf No. 49139/100-1-CPB 300

Kennzeichnung Marking/Marquage:

Lieferung

pcs.

Ibs 730 Country of Manufacture: Germany

Delivered Material / Matérial délivre:

96 Chemical Analysis / analyse chimique

Other elements

each max. 0.05 %, total 0.15 %

1. Chemische Analyse Bi Sn Zr Cr Si Cu Mn Mg 0,04 0,8 0,15 Charge/ min. 0,40 0,35 0,15 0,25 1.2 0,15 max. 0,8 0,7 0,40 0,0359 0,0074 0,0007 0,0001 0.001 0,254 0,032 0,037 0,123 0,983 0,668 0,384 0,215 9132-1/13

Hydrogen content: 0,10

ccm/100 g Al Elements without indication < 0,01 %

country of melt manufacturer: Germany

Products are in accordance with applicable RoHS

Cannot certify compliance FAR BAA: DEARS BAA Complies Cannot certify compliance FAR TAA:

Corrasion protection Brayco 300

TW METALS

Ergebnis der Prüfungen:

Es wird bestätigt, daß das Material geprüft wurde und den Vereinbarungen bei der Bestellannahme

Test results: Resultats:

We confirm that the material has been tested and applies to the agreements made on receipt of the order Nous confirmons que le materiel a été controlée et correspond avec les conventions faites à la réception de la commande

mergardtri 31.05.2013

Zertifiziert nach DIN EN ISO 9001:2008 und DIN EN 9100:2003 gültig bis 2013-11-10

Zertifikat- Register- Nr.: 001959 QM08; 001959 ASH

ALUnna

Abnahmebeauftragter

Aluminiumwerk Unna AG, Uelzener Weg 36, 59425 Unna, Germany

Abnahmeprüfzeugnis 3.1 - DIN EN 10204:2005



Inspection Certificate 3.1 - DIN EN 10204:2005 | Certificat de Reception 3.1- DIN EN 10204:2005

Kunde:

TW Metals

Zeugnisnummer:

722/13

Client:

175 Tubeway Drive

Cert No .: / No .: du certificat: Bestellnummer:

GA 30298 30297 Forest Park (USA

Order No. / No. de commande

M 49291764 (P.)

ALUnna Auftragsbest.-Nr:

ALUnna Order Conf.No.:

49139/100

Kennzeichnung Marking/Marquage:

ALUnna-Cert No.722/13-6061-T6-Cast No. 9132-1-WW-T-700/6F-AMS-WW-T-700/6B-AMS 4082 P-ASTM B210-12 - 1.500" OD X 0.125" Wall-Heat Lot No. 1401654-ALUnna Order Conf No. 49139/100-1-CPB 300

Lieferung

Delivered Material / Matérial délivre;

96

Country of Manufacture: Germany

2. Mechanische Eigenschaften

Mechanical Properties / Valeurs Mécaniques

Anforderungen Requirements	tensile (Rm) ksi	yield (Rp0,2) ksi	elongation 2" %	elongation A %	Hardness HB	Heat Lot No.
	42,0	35,0	10,0			
1	44,950	35,670	17,0			1401654
						TW METALS

Ergebnis der Prüfungen:

Es wird bestätigt, daß das Material geprüft wurde und den Vereinbarungen bei der Bestellannahme entspricht

Test results: Resultats:

We confirm that the material has been tested and applies to the agreements made on receipt of the order Nous confirmons que le materiel a été controlée et correspond avec les conventions faites à la réception de la commande

mergardtri 31.05.2013

Zertifiziert nach DIN EN ISO 9001:2008 und DIN EN 9100:2003

gültig bis 2013-11-10 Zertifikat- Register- Nr.: 001959 QM08; 001959 ASH

德 ALUnna

Abnahmebeauftragter

Aluminiumwerk Unna AG, Uelzener Weg 36, 59425 Unna, Germany

MATERIAL: MGOGITGTI. 250	WO.135	
RECEIVED BY: DESJOD		
DATE: 14-02-3		
P/0# 22783	MATERIAL CERT RECEIVED	yes.
QUANTITY ORDERED: (OO FT-	QUANTITY RECEIVED:	60 FT.
THICKNESS ORDERED: 1,250"x 0,125"	THICKNESS RECEIVED:	1.250"x 0.125"
SHEET SIZE: 12 ft 1000	SHEET SIZE RECEIVED:	12 ft. 10ng
A PERCENDICAL DEPORT OF THE SAME TO MAKE THE PROPERTY OF THE PROPERTY OF THE SAME TO SAME THE SAME TO SAME THE SAME TO SAME THE SAME TO SAME THE SA		E TALFFY THAT S

DESCRIPTION	(Ch	CR eck (N)	COMMENTS
SURFACE DAMAGE	Υ	NK.	
INCORRECT FINISH	Υ	M	S HEUTONE SMITSPECTING SKIDTURE &
CORROSION	Υ	1×	
INCORRECT GRAIN DIRECTION	Υ	NK.	1- VERIFY TO DART SUFFLIED DISAWING
INCORRECT MATERIAL	Υ	X	2 - GAMPLE INSPECT MATERIAL IN BUNDLE TO ENSURE MATERIAL
INCORRECT THICKNESS	Υ	X	3- USING PORTABLE HARDNESS TESTER VERTIFY HARDNESS OF D
PHOTO REQUIRED	Υ	JXK	4- VERTLY THAT MATERIAL CERTS MATCH TO WHATS CALL BD UP-
CORRECT MATERIAL	X	N	M60617671.250W0,125
CORRECT REF # TO LINK CERT	X	N	Heat # 1401654 ASTM B210/12
CORRECT MATERIAL IDENTFICATION	X	N	S- INSPECT ALL DIMS AS PER DRAWNIO REGUNRANTS
CORRECT M# ON THE MATERIAL	X	N	m128118
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	X	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	X	

CUT SAMPLE PIECE OF MAT	ERIAL AND		HARDNESS (CHECK.	Elver C
	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL SIZE OF TEST SAMPLE	ORONAGO	HE DELECTION ASSET	HI WHO I GOTH	CONCERN LINEAR	-5
HARDNESS / DUROMETER READING	CHARLEST FILES	28 HR3.		and control (also)	14/02/0

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	Jm	BY: <u>\(\nu\)</u>
DATE:	18-02-3	DATE: /R

MILL TEST REPORT

Purchaser.: TW MET	ALS-Cranb	ury			Ic	ertificate	No.: 13-9-77	-				
Contract No.: TWM F					_		ue.: 2013.9.12	_				
Commodity: Stainless	Steel Seam	less Tubes	Spec	ification			-112/ASME S		3_02/AST	M 4260	IO EAW	
Process: Cold Drawn			1-1		7		Condition: OD	_			IU EAW	
Steel Grade	L	ot	1-	Dimens				Quantity				
TP304/TP304L							5" x 20'		Pieces 130		antity (ft 2,600	
		Ch	emical	Compos	ition l	y Weigh	t (%)					
Element	C Mn		P		S	Si	Cr		Ni	Mo	Co	
Requirements	≤0.035	≤2.00	≤0.	≤0.045 ≤0.0		≤1.00	18.00-20.00	8	.00-12.00	1	-	
Ladle Analysis	0.019	0.66	0.03	0.035 0.00		0.34	18.34	8.10			-	
Product Analysis	0.022	0.62	0.03	0.039 0.00		0.34	18.22		8.59			
			Me	chanica	Prop	erties		-				
Test Item	Elonga	ation (% in 2				Strength Rm	(MPa)	Yield Strength (MPa)				
Requirements		≥35				≥515		Rp / 0.2% ≥205				
Test Results	D 1 .	63/64				620/630				260/270		
Test Item		on of Area (%)	На	rdness	Co	ld Bend Test	Flaring Test	Flattening Test		Flange Test	P.M.I Test	
Requirements			HR	B≤80			22%	-	=0.09	- 100	1031	
est Results			7	7/79			Passed		Passed		ОК	
Test Item	Eddy Cu	rrent Test		Inderwater sure Test		rasonic Test	Intergranular Corrosion Tes		r Manua		pic Inspection	
equirements	ASTM	E 426			1		ASTM A262	_	End Cut	Appearance		
est Results			1		OK	-	OK)K			
O 9001:2008 Certified	by Intertel	110703069		-					0.1		/IL	

1:2008 Certified by Intertek 110703068

PED Certified by SZUTEST 2195-PED-1221604

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-11a
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) No weld repair performed
- (7) Free from mercury contamination
- (8) Billets melt and pipes/tubes manufactured in China
- (9) All tubes 100% PMI tested
- (10) All tubes 100% Eddy Current Test

CANNOT CERTIFY COMPLIANCE FAR BAA / DFARS BAA / FAR TAA



James Ch.

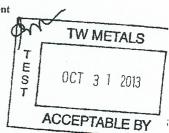
We hereby certify that this report is true and correct.

James Shi / Manager Quality Control Department

By:

Shanghai Pufa Stainless Steel Pipe Factory

No. 59, Shuangye Road, Wanggang, New Pudong District, Shanghai, China



MATERIAL:	m304TR0.875W	0.065	
RECEIVED BY:	DESJOD		
DATE:	14-02-3		FEMOLOGISTS
P/O#	22783	MATERIAL CERT RECEIVED	yes.
QUANTITY ORDERED:	20 ft.	QUANTITY RECEIVED:	20 A.
THICKNESS ORDERED:	0.875x 0.065W	THICKNESS RECEIVED:	0.87510.0650
SHEET SIZE:	to 20ft long.	SHEET SIZE RECEIVED:	20 ft long
	Commence of the commence of th		

	No bridge								
DESCRIPTION	NC (Ch Y/	eck	COMMENTS						
SURFACE DAMAGE	Υ	X							
INCORRECT FINISH	Υ	N	A BRUTCHAR CHITOETEM ROT SHOLD WILLS						
CORROSION	Υ	N							
INCORRECT GRAIN DIRECTION	Υ	'NX	1 - VERIFY TO DART SUPPLIED DEAMING						
INCORRECT MATERIAL	Υ	X	2 - CARRIE INSPECT MATERIAL IN BUNGLE TO ENSURE MATERIAL						
INCORRECT THICKNESS	Υ	X	REPORTED THE PROPERTY OF THE P						
PHOTO REQUIRED	Y	X	4 - VERIFY THAT MATERIAL CERTS MATCH TO WHAT'S CARLEGIUD O						
CORRECT MATERIAL	×	N	MONTOSTONIA SESSAT LAMBITAN GETTA						
CORRECT REF # TO LINK CERT	×	N	Heat # XX1203579 ASTM A213						
CORRECT MATERIAL IDENTFICATION	X	N	M304TR 0.875W0.065						
CORRECT M# ON THE MATERIAL	X	N	811861 M						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	X							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	₩							

CUT SAMPLE PIECE OF MA	TERIAL AND		HARDNESS (CHECK.	BV -7
, in the second	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL SIZE OF TEST SAMPLE	Palaces ST Long.	2122			1462
HARDNESS / DUROMETER READING	- Limite	<6+11213	Section of the section of	A CAMP TRANSPORT	1, 1, -

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: Im	BY: N/
DATE: 14-02-3	DATE: /A

MILL TEST REPORT

Purchaser.: TW ME	TALS-Crant	bury				Certificat	to No. 12 0 7	0						
Contract No.: TWM		Market and the state of the latest state.				Certificate No.: 13-9-79 Date of Issue.: 2013.9.12								
Commodity: Stainles			1 600	.ie										
Process: Cold Drawn		11033 1 11003	Spec	cificat	tions; A		3) 1 1a/ASME S				10 EAW			
Delivery Condition: OD) Po	lished to 24	40 Grit				
Steel Grade	Heat Number Lot Number					Dimen	sions	L		Quantity	7			
TP304/TP304L	VX	210-680		32				-	Pieces	Qu	antity (ft)			
	1 1/1					x 0.049			120		2,400			
		Cl	nemical	Com	positio	n by Weigl	nt (%)							
Element	C	Mn	F	-	S	Si	Cr	T	Ni	Mo	Co			
Requirements	≤0.035	≤2.00	≤ 0.	0.045 ≤0.0		30 ≤1.00	18.00-20.00	8	.00-12.00	1	1			
Ladle Analysis	0.023	0.90	0.03	.034 0.00		0.40	18.22		8.09		 			
Product Analysis	0.025	0.88	0.03	0.001		0.37	18.28	-	8.17					
			Me	echani	ical Pr	operties		_						
Test Item	Elonge	ation (% in 2		Γ		ile Strength (MPa) Yield Strength (MPa)								
	Liong		,			Rm	(.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Rp / 0.2%					
Requirements Test Results		≥35				≥515			≥205					
est Aesulis	D 7 11	61/62	 .			630/640				260/270				
Test Item		on of Area (%)	Ha	rdnes	is i	Cold Bend	Flaring	FI	attening	Flange	P.M.I.			
Requirements		(76)	775			Test	Test		Test	Test	Test			
est Results			_	B≤8	0		21%	-	=0.09					
			-	7/79			Passed]	Passed		OK			
Test Item	Eddy Cui	rrent Test	Air Un Press			Ultrasonic Test	Intergranul Corrosion T		Macro	scopic Inspection				
equirements	ASTM	E 426					ASTM A262 E		End Cut					
est Results	Pass						OK		OK		Appearance OK			
O 9001:2008 Certified	by Intertel	k 110703068				P	ED Certified	by S	STANDARD STANDARDS	and the state of t	A STATE OF THE PARTY OF THE PAR			
iditional Remarks:								-			- 122100			

Additional Remarks:

(1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes

(2) All tubes tested per ASTM A1016-11a

(3) Materials is NACE MR0103-2007 compliant (per Section 2.5)

- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) No weld repair performed
- (7) Free from mercury contamination
- (8) Billets melt and pipes/tubes manufactured in China
- (9) All tubes 100% PMI tested
- (10) All tubes 100% Eddy Current Test

CANNOT CERTIFY COMPLIANCE FAR BAA/DFARS BAA/FAR TAA



By:

James Chi

We hereby certify that this report is true and correct.

James Shi / Manager Quality Control P

Shanghai Pufa Stainless Steel Pipe Factory No. 59, Shuangye Road, Wanggang, New Pudong District, Shanghai, China

TW METALS E P NOV - 4 2013 Ö S R

S

ACCEPTABLE BY

MATERIAL:	M304TR1.000W.C	049	
RECEIVED BY:	062203		
DATE:	14-02-3		REMOTTOURIER
<u>P/O#</u>	22783	MATERIAL CERT RECEIVED	yes.
QUANTITY ORDERED:	20 ft.	QUANTITY RECEIVED:	QOA.
THICKNESS ORDERED:	1.000 00.049	THICKNESS RECEIVED:	1.000 × 0.049"
SHEET SIZE:	20 A long	SHEET SIZE RECEIVED:	20 A long.

DESCRIPTION	,	CR eck N)	COMMENTS						
SURFACE DAMAGE	Υ	M							
INCORRECT FINISH	Y	N	STEATIONS ONLY SERVICE CHARLOWILLS						
CORROSION	Υ	N							
INCORRECT GRAIN DIRECTION	Υ	Ŋĸ	CHIWARD CELIPPUS TRACETY LIPSV - I						
INCORRECT MATERIAL	Y	M	2- SAMPLE HISPECT MATERIAL IN BUNDLE TO ENSURE MATERIAL						
INCORRECT THICKNESS	Y	N	3- USING PORTARI ENLEGNESS TESTER VERRY HAP DIVERS OF T						
PHOTO REQUIRED	Υ	X	A- VERREY THAT MATERIAL CERTS WATCH TO WHATS CALLED UP 1						
CORRECT MATERIAL	×	N	m304TR 1,000 W,049						
CORRECT REF # TO LINK CERT	X	N	Heat YX1210680 ASTM ADIS						
CORRECT MATERIAL IDENTFICATION	X	N	M 30 STURNSLUCTS SUBJARD SET DA RIME S DE SORBRANT - 8						
CORRECT M# ON THE MATERIAL	X	N	m 128118						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	X							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	¥							

CUT SAMPLE PIECE OF MAT	TERIAL AND ORD RESULT		HARDNESS C	CHECK.	EV -P
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE	mendala come	201100		grow the red carried and the	14/02/
HARDNESS / DUROMETER READING	- 0/4120	1 00 HIKISI	STREET, CONTRACT OF STREET	SECURIOR SECTIONS	1100

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	In	BY: N/
DATE:	14-02-3	DATE: /A



SHANGHAICRYSTAL PALACE PIPE CO.,LTD

The Contract of the Contract o

A Company of the Comp

INSPECTION CERTIFICATE

ISO9001:2008; PED Material CERTIFICATE (No.:QAC0021058/A)

013/6/22				1/3041>								1	EDDY CURRENT TEST	(100%)	OK OK	OK	40	OK	N HAS BEEN	E LEKMS OF	TAME TO STATE TO STAT	L, WILLOUI				VELGITO	000-17		
DATE OF ISSUE: 2013/6/22	7 7 7 7	3-1-A-4	17-A	GRADE :(ASTMA269-10/A213)11A TP304/304L					0.0	2			HARDNESS HRB <80		77	79	31.	0	TESTED AND THE TEST RESULTS ARE IN COMMITMENT WITH THE TEST RESULTS ARE IN COMMITMENT	THE PURCHASE ORDER OR CONTRACT	COLTHE CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FILL WITHOUTER					MANAGER OF QUALITY ASSURANCE DEPARTMENT / DING WEI GITO			
DATI	CERTIFICATE NO :2012 2 2 4 4	- C1022013	OKDER NO.: 2013-03-007-A	(A269-10)	24603		(さ	18.0~20.0	18.22			FLATTENING TEST		OK	OK	OK	Chr	COMMIT	COIMT FI	DUCED	Y.				E DEPART			
058/A)	TEICATE	יייייייייייייייייייייייייייייייייייייי	SK NO.	DE :(ASTIN	NO.CYT.		1.	ž	$8.0 \sim 11.0$	8.07									E MAIER	RACT	SE REPRO	COMPAN	E CO.LTE			SURANCI			
COURT CAN ALL MAIGING CERTIFICALE (No.:QAC0021058/A)	CERT	T ac	OKO	GRAI	COMPLETED COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END / OD POLISHED 240 GRIT. HEAT NO. (YT24603)		3.5	20	< 1.00	0.37	ro.		FLARING		OK	OK	OK	TYY AT THE	RESILTS	OR CONT	LL NOT E	THE WRITTEN APPROVAL OF THE COMPANY	SHANGHAI CRYSTAL PALACE PIPE CO.,LTD	1	?	LITY AS			
C (No.: C					ED 240 GR					0	PERTIE	į	% % %35		59.0	55.5	62.5	DDTTEV	TE TEST	ORDER	ATE SHA	PPROVA	STAL PA	6	5	OF QUAI			
IFICALI					D POLISH		5	מ	< 0.030	0.004	PHYSICAL PROPERTIES	-	(Mpa) >515		695	069	029	FDEDV	AND TE	RCHASE	ERTIFIC,	ITTENA	HAI CRY	いるいかん		NAGER			4
al CEKI					IN END / C		a	-	< 0.045	0.036	HYSIC/	3/1/00	(Mpa) ≥205		245	260	250	I WF HI	TESTED	THE PUI	2.THE C	THE WR	SHANG	É	5	WA	Ε	ח סר	00
Maicil	ICA, INC		TOTAL	TOBE	LED/PLA			+		0	Д.		Weight (kg)		7/1	922	664				5					TALO			£107
177 1, DOV	CUSTOMER: KASUGAI CORPORATION OF AMERICA, INC.		SEAMI BOG	MINITERS	ATED / PICK		Mn		\$ 2.00	1.08			Pieces	05	00 1		20		3-11AY ASME	A	IN COMPLIANCE TO NACE MR0175/ISO 15156-2003	SOLUTION HEAT TREATMENT:1050°C X 1.5m/min		Ž		TW METAL O		JIII 3 1 2012	
7.7.0	MATTON		STEEL CE	יייייייייייייייייייייייייייייייייייייי	TON TRE		U	2000	× 0.035	0.021				11	1 5		7.5		213-11A		175/ISO	1050°C X	MED	AINATION			H	ш so)
	CORPOI				H/SOLUT	(WT%)							Bundle No.	12.1 111	712-4-1	-615-4-109	13-4-75		ASTM A	WALL	CE MR0	MENT	PERFOR	CONTAIN	TAINA	IINA			
	ASUGAI	91923	COMMODITY STAINLESS	OI DEPARE	OLU FINIS	CHEMICAL CONTENTS (WT%)		7		175)		S	Length (feet)	20	3 6		707		AS PER ASTM A269-10 (ASTM A21	SA213-10 EXCEPT AVG WALL	E TO NA	T TREAT	NO WELD KEFAIK WAS PERFORMED	FREE FROM MERCURY CONTAMI COINTRY OF OPIGHS, CEMIA	COUNTRY OF MEIT: CHINA	ieli. Cn			
	OMER: K	P.O.NO.: M 49291923	TODITY?	TTION	D NOTE OF	ICAL CO	STA	SPECIFICATION	TOUT	NESOLLIS (LAULE)		Dimensions	W.T (inch)	0.083	0.10	0010	0.120	KS:	ASTMA	10 EXCE	APLIANC	ION HEA	LD KEPA	KOM ME	RY OF M	TO IN			
	CUSTC	P.O.NC	COMIN	COND	COLVE	CHEM	ELEMENTS	SPECIF	proru	TOCAL		ı	O.D (inch)	3/4	7		1/1/4	REMARKS	AS PER	SA213-	IN CON	SOLUI	NO WE	COLNI	COLINI	1000			
																-													

ACCEPTABLE BY

m304TR1.250 w.	125	
DESTOS		
14-02-3		
22783	MATERIAL CERT RECEIVED	yes.
20 ft.	QUANTITY RECEIVED:	20 FL
1.250x 0.125	THICKNESS RECEIVED:	1. 250x b.25
20 ft 10mg	SHEET SIZE RECEIVED:	20 At long
	DESJOD 14-02-3 20783 20 ft. 1.250x 0.125	JU-03-3 JOST QUANTITY RECEIVED: 1.250x 0.125 THICKNESS RECEIVED: SHEET SIZE RECEIVED:

	192587				
DESCRIPTION	NCR (Check Y/N)		COMMENTS		
SURFACE DAMAGE	Υ	N			
INCORRECT FINISH	Υ	X	8 BBUTONE BMITOERUM NOT ENULLUDATE		
CORROSION	Υ	N			
INCORRECT GRAIN DIRECTION	Υ	X	1- VERISY TO DARY SUPPLIED DRAWING		
INCORRECT MATERIAL	Υ	N	2- SAMPLE INSPECT MATERIAL IN BUNDLE TO EVENEUR SATERIAL		
INCORRECT THICKNESS	Υ	X	3 USING PORTABLE HARDINESS TESTER VERIFY HARDINESS OF T		
PHOTO REQUIRED	Υ	N	# - VESIEY THAT MATERIAL CERTS MATCH TO WHATE CAUSED UP!		
CORRECT MATERIAL	×	N	m304TR 1.75000,175		
CORRECT REF # TO LINK CERT	X	N	Heat XX 24603 ASTM A213		
CORRECT MATERIAL IDENTFICATION	X	N	6- INSPRIOT ALL DIMS AS PER DRAWING REQUIRMENTS		
CORRECT M# ON THE MATERIAL	X	N	m128118		
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	X			
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	X			

CUT SAMPLE PIECE OF MAT	TERIAL AND		HARDNESS C	CHECK.	HV - f
	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL	erakas ero Erropo erakas.	TO SELECTION OF SECURITY	Barrier Control	acutate a 1455	2
SIZE OF TEST SAMPLE	507 TEMES 1.45	o de os centrados especiados	emigration to the contract of	4873 CRITERION (1774)	1 11-2
HARDNESS / DUROMETER READING	1937 14	SOHIRIB	recounting our	and the members and	14100

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: Tm	BY: N/
DATE: 14-02-3	DATE: A



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22783

Purchase Order Date 1/24/2014 **PO Print Date** 1/24/2014

Page Number 1 of 4

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 US

VU-TWM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

REDISED

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

585 768 5600

Buyer

Chantal Lavoie

YRC COLLECT

Customer POID Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Ship Via:

S	hip Acct:				M/28/18	
Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ CD Taxable	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments Delivery Comments		Promise Date			
1	M6061T6T1.500W.058	6061-T6 RD TUBE 1.500" x .058" WALL	1/31/2014	12.00	\$4.40	\$52.80
			Yes	f		
			1/31/2014			
	AS PER WW-T-700/8 OR QQ	510/T6511 SEAMLESS TUBING p-A-225/8 OR AMS 4080 OR R ASTM B210 OR ASTM B241				
	*				Line Total:	\$52.80

M6061T6T5.000W.125

6061-T6 Tube 5.00 X.125W

1/31/2014

Yes 1/31/2014

24.00

\$10.00

\$240.00

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING

AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241

AS PER WW-T-700/8 OR QQ-A-225/8 OR AMS 4080 OR

Line Total:

\$240.00

Note:



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22783

Purchase Order Date 1/24/2014 PO Print Date 1/24/2014

Page Number 2 of 4

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 US

VU-TWM001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: **Ship Acct:** 585 768 5600

YRC COLLECT

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607 Net 30

Terms Currency

Buyer

USD

FOB

FCA – (Free Carrier)

6061-T6 RD Tube 0.625

1/31/2014

120.00

\$5.15

\$618.00

M6061T6T0.625W.125

X.125W

Yes

1/31/2014

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241

Line Total:

\$618.00

\$402.00

M6061T6T1.500W.125

6061T6 RD TUBE 1.50 X

1/31/2014

Yes

1/31/2014

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241

Line Total:

\$402.00

M304TR0.875W.065

304 round tube .875 x

.065w

1/31/2014

1/31/2014

Yes

\$2.78

\$6.70

\$55.60

MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269

Note:



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22783

Purchase Order Date 1/24/2014 **PO Print Date** 1/24/2014

Page Number 3 of 4

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 US

VU-TWM001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

585 768 5600

Buyer **Customer POID** Chantal Lavoie

Ship To Contact

Ship To Phone

YRC COLLECT

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Total:

Line Total:

Ship Via: **Ship Acct:**

\$55.60

M304TR1.000W.049

304 RD Tube 1.00 x .049W

1/31/2014

20.00

\$2.55

\$51.00

Yes

1/31/2014

\$51.00

304 RD Tube 1.250 x

1/31/2014

20.00

\$6.15

\$123.00

M304TR1.250W.125

.125w

Yes

1/31/2014

MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269

MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269

Line Total:

\$123.00

M304TR1.500W.049

304 RD Tube 1.50 x .049W

1/31/2014

Yes 1/31/2014 20.00

\$3.85

\$77.00

MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269

Note:



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22783

Purchase Order Date 1/24/2014 PO Print Date 1/24/2014

Page Number 4 of 4

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 US

VU-TWM001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

585 768 5600

Buyer

Chantal Lavoie

Customer POID

Ship To Contact

Ship To Phone

YRC COLLECT

Customer Tax # Terms

10127-2607 Net 30

FOB

USD Currency

FCA - (Free Carrier)

Ship Via: **Ship Acct:**

Line Total:

\$77.00

PO Total:

\$1,619.40

NO

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required -/YES

PST# 6122-5207

3

Change Nbr:

Change Date:

1/24/2014